

CLAIM AMENDMENTS

Please amend Claim 1 (~~striketrough~~ for deletion and underline for insertion):

1. (Currently amended) A method for ~~the~~ of treatment ~~of~~ for lung carcinoma, breast cancer, gastric and colon cancer, kidney cancer, pancreatic cancer, malignant melanoma, malignant lymphoma and certain oncological diseases, said method comprises a step of introducing a treatment agent into a circulating blood system of a cancer patient, said treatment agent destroys extracellular DNA said blood of said cancer patient,

wherein said treatment agent used to destroy said extracellular DNA is a DNase enzyme characterized by introducing blood extracellular DNA destroying agent into a systemic blood circulation.

2. (Currently Amended) ~~★~~ The method according to claim 1, further comprising a step of administering a daily dose of said agent for seven days and increasing said dose by its initial dose every seven days that there is no reaction at a primary tumor site, an increase in said daily dose continues every seven days until a reaction is noticed at said primary tumor site, wherein ~~which~~ characterized by introducing of blood extracellular DNA destroying said agent is introduced in doses sufficient to provide an blood extracellular DNA electrophoretic profile change in said extracellular DNA, which said change can be revealed by pulse-gelelectrophoresis.

3. (Currently Amended) ~~★~~ The method according to claim 1, wherein said treatment agent

~~destroying blood extracellular DNA is introduced~~ administered in doses and regiments which provide blood plasma DNA-hydrolytic activity-, measured in blood plasma, to exceed 150 Kunitz units per liter of plasma during more then 12 hours in total within 24 hours.

4. (Currently Amended) ~~A~~ The method according to claim 3, wherein ~~the~~ said treatment is carried out during no less than 48 hours uninterruptedly.

5. (Cancel).

6. (Currently Amended) ~~A~~ The method according to claim ~~5~~ 1, wherein bovine pancreatic DNase is said agent used to destroy said extracellular DNA, ~~said bovine pancreatic DNase is used and it is,~~ bovine pancreatic DNase is parenterally introduced in doses ranging from 50,000 ~~50-000~~ Kunitz units to 250,000,000 ~~250-000-000~~ Kunitz units a day for ~~daily during~~ 5-360 days.

7. (Currently Amended) ~~A~~ The method according to claim ~~5~~ 1, wherein human recombinant DNase is used.

8. (Currently Amended) ~~A~~ The method according to claim 7, wherein human recombinant DNase I (Dornase alpha) ~~is used and it is~~ parenterally introduced in doses 1,15 mg/kg-500mg/kg of body weight daily during 5-360 days.

9. (Currently Amended) ~~A~~ The method according to claim 1, wherein the treatment is carried out for a term of life.

10. (Currently Amended) ~~A~~ The method according to claim 1, further including a step of introducing a binding agent into said blood system, said binding agent binds said extracellular DNA wherein ~~in addition to the said treatment an agent binding the blood extracellular DNA is introduced into a systemic blood circulation.~~

11. (Currently Amended) ~~A~~ The method according to claim 10, wherein said binding agent is anti-DNA antibodies ~~are used as the agent binding blood extracellular DNA.~~

12. (Currently Amended) ~~A~~ The method according to claim 1, further comprising a step of introducing a ~~wherein in addition to said treatment an modifying~~ modifying agent into said blood system, wherein said modifying agent ~~which~~ modifies one or all of a chemical composition, a ~~and/or~~ conformation, a degree of polymerization, or an ~~and/or polymery and/or an association with proteins, and/or lipids and/or ribonucleic acids of~~ said ~~the blood~~ extracellular DNA is introduced into a systemic blood circulation.

13. (Currently Amended) ~~A~~ The method according to claim 12, wherein said modifying agent is a ribonuclease enzyme ~~is used as the said agent.~~

14. (Currently Amended) ~~A~~ The method according to claim 12, wherein said modifying agent is extracellular ribonuclease of *Serratia Mercenses* ~~a *Serratia Mercenses* bacterium is used as the~~
agent.